What is claimed is:

1. An apparatus for a service node used in a multimedia network comprising: a data distributor circuit;

a data port adapted to couple with a data stream, said data distributor circuit having a relational code adapted to determine whether an address field of a data packet from said data stream is intended for local distribution by said distributor circuit, wherein said data port is operably coupled to said data distributor circuit; and

a decoder in communication with said distributor circuit, said decoder having a virtual channel filter for filtering said address field to route said data packet to at least one data port.

- 2. The apparatus of Claim 1 further comprising an incorporator circuit electrically-coupled to said data port adapted to insert an address value having a relational code and a virtual channel code in a data input from said at least one data port, said incorporator adapted to insert said data input into said data stream.
- 3. The apparatus of Claim 2 wherein said incorporator circuit is operably coupled with said decoder adapted to receive said data input.
- 4. The apparatus of Claim 3 wherein said incorporator circuit comprises a Field Programmable Gate Array adapted to execute a firmware routine adapted to insert said address value into said data input and adapted to insert said data input into said data stream.

- 5. The apparatus of Claim 1 wherein said data distributor circuit comprises a Field Programmable Gate Array adapted to execute a firmware routine adapted to filter said data stream with respect to said relational code.
- 6. The apparatus of Claim 5 wherein said data stream is a data cell-based data stream having a plurality of data packets.

7. A multimedia network card comprising:

a descrializer coupled to a serial data stream, said descrializer adapted to convert said serial data stream to a parallel data stream representing a plurality of data of said serial data stream;

a receiver coupled to said deserializer, said receiver having a relational code adapted to determine whether an address field of said parallel data stream designates local distribution;

a decoder in communication with said receiver, said decoder having a virtual channel filter adapted to filter said address field to route said data packet to at least one data port; and

a serializer coupled to said receiver, said serializer adapted to convert an output data stream from said receiver into an output serial data stream.

8. The multimedia network card of Claim 7 further comprising:

an incorporator coupled to said decoder, said incorporator adapted to insert an address value having a relational code and a virtual channel code in a data input from said

at least one data port, said incorporator adapted to insert said data input into said data stream; and

a second serializer coupled to said receiver, said second serializer adapted to convert an output data stream from said receiver into an output serial data stream.

- 9. The multimedia network card of Claim 8 further comprising a second deserializer coupled to said incorporator and said serial data stream, said second deserializer adapted to convert a parallel data stream into a serial data stream such that said incorporator is adapted to provide a redundant receiver function to said receiver.
- 10. The multimedia network card of Claim 9 wherein said incorporator circuit comprises a Field Programmable Gate Array adapted to execute a firmware routine adapted to insert said address value into said data input and adapted to insert said data input into said data stream.
- 11. The multimedia network card of Claim 10 wherein said receiver comprises a Field Programmable Gate Array adapted to execute a firmware routine adapted to filter said data stream with respect to said relational code.
- 12. The multimedia network card of Claim 11 wherein said data stream is a data cell-based data stream having a plurality of data packets.
- 13. A method of interfacing an multimedia communications data stream having a plurality of data packets, the method comprising:

- (a) receiving a data packet of the plurality of data packets;
- (b) determining whether an address field of the data packet is intended for local distribution;
- (c) routing the data packet to a data port if the data packet is intended for local distribution; and
- (d) returning the data packet to the data stream if the data packet is not intended for local distribution.
 - 14. The method of Claim 13 further comprising the step of:
- (e) incorporating a data packet from a local data port into the data stream for transmission.
 - 15. The method of Claim 14 further comprising the steps of:
 - (f) repeating steps (a) through (e) for the plurality of data packets.
 - 16. The method of Claim 13 further comprising the step of:

returning the packet to the data stream if the data packet is identified as a broadcast packet (TV) or a multiple addressed packet addressed to several user nodes.